Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/12/2019 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125888	0	0.97	125997	0.95
Blue	F	SSC	125000	124405	-1	1.85	125206	1.81
Blue	E	FITC	16122	15831	-2	2.72	343	20.16
Blue	D	PE	29316	28826	-2	1.89	630	14.51
Blue	B	PerCP-Cy5-5	42590	42472	-1	3.65	1143	20.09
Blue	A	PE-Cy7	33146	33713	1	6.02	641	41.07
Red	C	APC	45473	44950	-2	2.39	1590	12.04
Red	A	APC-Cy7	31961	31067	-3	2.27	822	11.64
Violet	B	V450	7914	7548	-5	5.32	422	13.99
Violet	A	V500	29769	28618	-4	5.24	664	11.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20854	2.57	610	10	N/A	N/A	Pass
Blue	F	SSC	56567	1.27	555	17	N/A	N/A	Pass
Blue	E	FITC	63	63.54	542	5	0.0198	133	Pass
Blue	D	PE	132	49.70	544	7	0.1752	307	Pass
Blue	B	PerCP-Cy5-5	209	50.13	649	11	0.0094	81	Pass
Blue	A	PE-Cy7	118	101.34	702	11	0.0108	14	Pass
Red	C	APC	379	25.26	584	5	0.0249	167	Pass
Red	A	APC-Cy7	181	27.89	560	4	0.0059	913	Pass
Violet	B	V450	65	62.90	466	6	0.0508	2437	Pass
Violet	A	V500	100	38.17	478	6	0.0231	1475	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.20	-31.89	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.31	13.60 - 20.40	N/A	N/A	29.59	29.93	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9794

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments